

Claims

- [c1] 1. A mounting apparatus for mounting an associated can-type capacitor to a sheet metal portion of an associated electrical device housing, the mounting apparatus comprising:
a clip arranged on the sheet metal portion; and
a receiving region arranged on the sheet metal portion, the receiving region receiving an edge of the capacitor and cooperating with the clip to at least partially secure the capacitor to the sheet metal portion.
- [c2] 2. The mounting apparatus as set forth in claim 1, wherein:
the clip includes a partially cut-out portion of the sheet metal portion.
- [c3] 3. The mounting apparatus as set forth in claim 1, wherein:
The edge of the capacitor comprises a portion of a rim of the capacitor; and
the receiving region includes a slot formed into the sheet metal portion that receives the portion of the rim of the capacitor.
- [c4] 4. The mounting apparatus as set forth in claim 3, wherein:
the rim of the capacitor includes a crimped region formed during crimping of a lid to the can-type capacitor housing.
- [c5] 5. The mounting apparatus as set forth in claim 3, wherein the partial securing of the capacitor to the sheet metal portion includes:
inserting the portion of the rim of the capacitor into the slot formed into the sheet metal portion, the inserting occurring with the capacitor positioned at an angle relative to the sheet metal portion; and
rotating the capacitor against the sheet metal portion, said rotating occurring about the inserted portion of the rim.
- [c6] 6. The mounting apparatus as set forth in claim 1, further comprising:
at least one wire tie that passes through at least one hole formed into the sheet metal portion and around the capacitor to retain the capacitor against the sheet metal portion, said at least one wire tie cooperating with said receiving region and said clip to operatively secure the capacitor to the sheet metal portion.
- [c7] 7. A mounting apparatus for mounting an associated capacitor within the

housing of an associated electrical apparatus, the mounting apparatus comprising:

at least one wire tie that at least partially encircles the capacitor and that cooperates with at least one hole formed into the housing in securing the capacitor to the housing.

[c8]

6. The mounting apparatus as set forth in claim ⁵ 5, wherein:

the at least one wire tie includes two wire ties, and the at least one hole includes a plurality of holes.

[c9]

9. The mounting apparatus as set forth in claim 7, further comprising: a clip that secures to a portion of the capacitor.

[c10]

10. The mounting apparatus as set forth in claim 9, wherein: the capacitor includes a cylindrical housing having a crimped lip; and the portion of the capacitor includes a portion of the crimped lip.

[c11]

11. The mounting apparatus as set forth in claim 10, wherein: the clip secures the capacitor against movement parallel to the cylindrical axis.

[c12]

8. The mounting apparatus as set forth set forth in claim ⁷ 7, wherein the clip includes:

a tab affixed to the housing; and

a slot formed into the housing that receives the portion of the crimped lip.

[c13]

9. The mounting apparatus as set forth in claim ⁸ 12, wherein:

the tab is integrally formed into a sheet metal portion of the associated housing.

[c14]

10. A lighting fixture comprising:

a socket for operatively receiving a light bulb, lamp, or light source;

a means for receiving electrical power;

a cylindrical capacitor; and

at least one wire tie that at least partially secures the capacitor to the lighting fixture via a plurality of holes arranged in a mounting surface of the lighting fixture.

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[c15] ¹¹~~15~~.The lighting fixture as set forth in claim ¹⁰~~14~~, wherein:
the at least one wire tie comprises two wire ties.

[c16] ¹²~~16~~.The lighting fixture as set forth in claim ¹⁰~~14~~, wherein:
the cylindrical capacitor includes a rim extending beyond the main cylindrical
body of the capacitor; and
the mounting surface of the lighting fixture includes a retaining clip arranged
thereon and a slot formed therein, said retaining clip cooperating with said slot
to partially secure at least a portion of the capacitor rim, said secured rim
portion further cooperating with the at least one wire tie to operatively secure
the capacitor to the mounting surface of the lighting fixture.

[c17] ¹³~~17~~.The lighting fixture as set forth in claim ¹²~~16~~, wherein:
the retaining clip includes a retaining clip formed integrally into the mounting
surface of the lighting fixture.

[c18] ¹⁴~~18~~.The lighting fixture as set forth in claim ¹²~~16~~, wherein:
the retaining clip includes a partially cut-out portion of the mounting surface of
the lighting fixture, said partially cut-out portion being formed into the
retaining clip.

[c19] ¹⁵~~19~~.The lighting fixture as set forth in claim ¹²~~16~~, wherein the partial securing of
at least a portion of the capacitor rim includes:
inserting the rim portion into the slot, the inserting occurring with the capacitor
positioned at an angle relative to the mounting surface; and
rotating the capacitor against the mounting surface, said rotating occurring
about the inserted rim portion and effectuating a partial securing of the rim
between the retaining clip and at least one edge of the slot.

[c20] ¹⁶~~20~~.The lighting fixture as set forth in claim ¹²~~16~~, wherein:
the capacitor rim includes a connecting portion of a capacitor housing, said
connecting portion corresponding to a crimped region that connects a lid
portion of the capacitor housing to a cylindrical portion of the capacitor
housing.

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